

This diagram illustrates a vertical cylindrical vessel with a central tube. The vessel is filled with a stippled substance. A central tube extends from the bottom to the top. At the top, there is a complex assembly with horizontal arrows indicating flow into and out of the container. The container is divided into sections labeled 10, 12, and 14. Arrows indicate upward flow in the central tube and downward flow in the outer annular space. A curved arrow at the bottom indicates a swirling motion.

A detailed cross-sectional diagram of a vertical centrifugal pump. The pump is shown in a vertical orientation with a central shaft and a horizontal impeller at the top. Arrows indicate the flow of liquid: entering the pump at the top, being drawn into the impeller, and then being thrown outwards by centrifugal force. The liquid then flows back down the sides of the pump casing, creating a continuous loop. The diagram illustrates the internal flow dynamics and the role of the impeller in moving the liquid.

FIG. 3

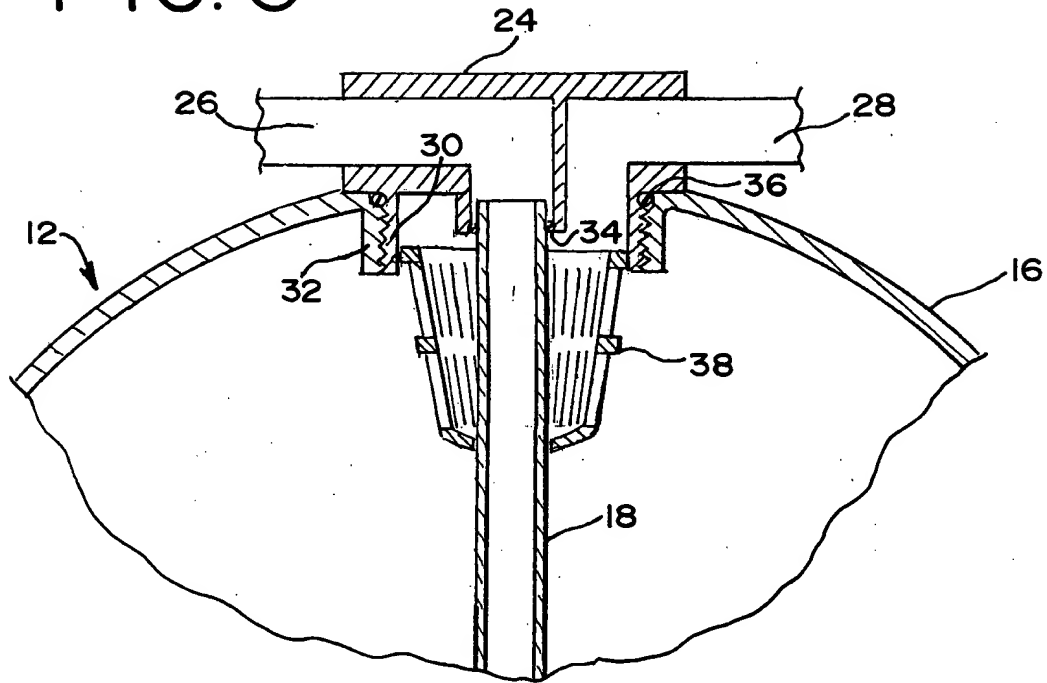


FIG. 4

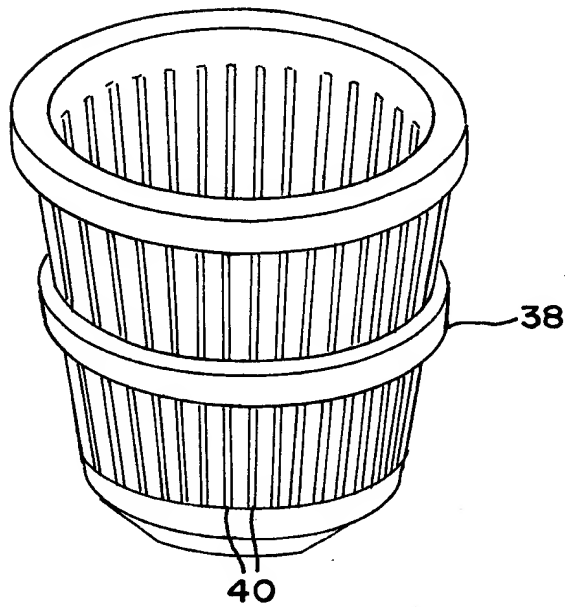


FIG. 5

